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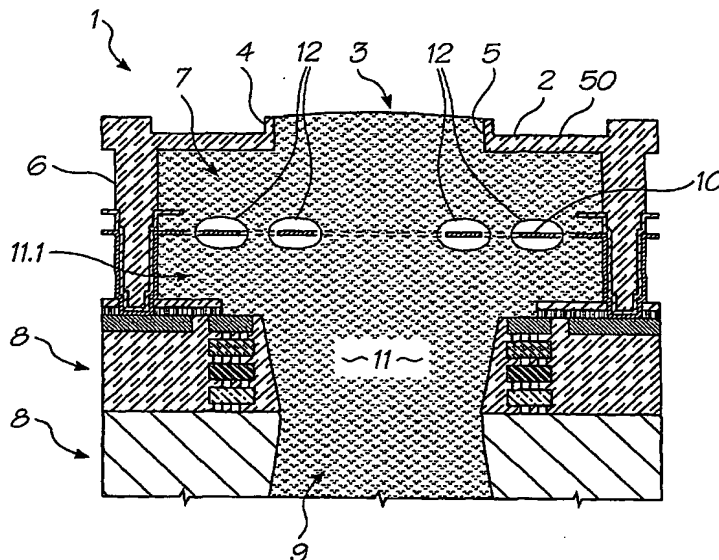
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(54) Title: THERMAL INK JET PRINthead WITH HIGH NOZZLE AREAL DENSITY



(57) Abstract: There is disclosed an inkjet printhead which comprises a plurality of nozzles (3) and one or more heater elements (10) corresponding to each nozzle (3). Each heater element is configured to heat a bubble forming liquid in the printhead to a temperature above its boiling point to form a gas bubble (12) therein. The generation of the bubble causes the ejection of a drop of an ejectable liquid (such as ink) through the respective corresponding nozzle, to effect printing. The printhead has a substrate and each nozzle has a nozzle aperture opening through a surface of the substrate such that the areal density of the nozzle relative to the substrate surface exceeds 10,000 nozzles per square cm.

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